

Author Index to Volume 22

(The issue number is given in front of the pagination)

- Berry, G.** and **G. Gonthier**, Incremental development of an HDLC entity in Esterel (1) 35– 49
- Bolognesi, T.**, **O. Hagsand**, **D. Latella** and **B. Pehrson**, The definition of a graphical G-LOTOS editor using the meta-tool LOGGIE (1) 61– 77
- Bosik, B.S.** and **M.Ü. Uyar**, Finite state machine based formal methods in protocol conformance testing: from theory to implementation (1) 7– 33
- Brinksma, E.**, **G. Scollo** and **C.A. Vissers**, Introduction to the PSTV-IX (1) 1– 6
- Bruneel, H.**, Exact derivation of transient behavior for buffers with random output interruptions (4) 277–285
- Chang, C.-J.**, **J.-W. Wong** and **J.-H. Chiu**, A simulation study on the service strategies for packet voice communication networks (3) 225–232
- Chiu, J.-H.**, see **Chang, C.-J.** (3) 225–232
- Chung, P.** and **A.K. Elhakeem**, A bandwidth reducing token ring (4) 287–302
- Elhakeem, A.K.**, see **Chung, P.** (4) 287–302
- Estrin, D.** and **G. Tsudik**, Secure control of transit internetwork traffic (5) 363–382
- Estrin, D.**, Policy requirements for Inter-Administrative Domain Routing (3) 179–192
- Farber, D.J.**, see **Smith, J.M.** (2) 143–154
- Gonthier, G.**, see **Berry, G.** (1) 35– 49
- Gunningberg, P.**, see **Murphy, S.C.** (1) 51– 59
- Hagsand, O.**, see **Bolognesi, T.** (1) 61– 77
- Heinzmann, P.** and **H. Rudin**, Guest editorial (2) 83– 85
- Hibbard, W.**, **D. Santek** and **G. Tripoli**, Interactive atmospheric data access via high-speed networks (2) 103–109
- Janson, P.** and **R. Molva**, Security in open networks and distributed systems (5) 323–346
- Jin, S.**, **D.R. Vaman** and **D. Sinha**, A performance management framework to provide bounded packet delay and variance in packet switched networks (4) 249–264
- Johnson, M.J.**, Coping with data from Space Station Freedom (2) 131–142
- Kaniyil, J.**, see **Wang, X.** (3) 213–224
- Kelly, J.P.J.**, see **Murphy, S.C.** (1) 51– 59
- Latella, D.**, see **Bolognesi, T.** (1) 61– 77
- Lee, D.Y.** and **J.Y. Lee**, Performance comparison of bridge algorithms in interconnected local area networks (4) 265–276
- Lee, J.Y.**, see **Lee, D.Y.** (4) 265–276
- Molva, R.**, see **Janson, P.** (5) 323–346
- Moschonas, C.A.**, see **Vasilakos, A.V.** (4) 235–248
- Murphy, S.C.**, **P. Gunningberg** and **J.P.J. Kelly**, Experiences with Estelle, LOTOS and SDL: a protocol implementation experiment (1) 51– 59
- Ngoh, L.H.**, Multicast support for group communications (3) 165–178
- Noguchi, S.**, see **Wang, X.** (3) 213–224
- Onozato, Y.**, see **Wang, X.** (3) 213–224
- Paximadis, C.T.**, see **Vasilakos, A.V.** (4) 235–248
- Pehrson, B.**, see **Bolognesi, T.** (1) 61– 77
- Piguet, P.**, Storage and retrieval of documentation at the United Nations (2) 87–102
- Reynolds, J.K.**, The helminthiasis of the Internet (5) 347–361
- Rudin, H.**, Guest editorial (5) 321
- Rudin, H.**, see **Heinzmann, P.** (2) 83– 85
- Santek, D.**, see **Hibbard, W.** (2) 103–109
- Scollo, G.**, see **Brinksma, E.** (1) 1– 6
- Sincoskie, W.D.**, System architecture for a large scale video on demand service (2) 155–162
- Sinha, D.**, see **Jin, S.** (4) 249–264
- Smith, J.M.** and **D.J. Farber**, Traffic characteristics of a distributed memory system (2) 143–154
- Takagi, H.**, Application of polling models to computer networks (3) 193–211
- Tripoli, G.**, see **Hibbard, W.** (2) 103–109
- Tsudik, G.**, see **Estrin, D.** (5) 363–382
- Uyar, M.Ü.**, see **Bosik, B.S.** (1) 7– 33
- Vaman, D.R.**, see **Jin, S.** (4) 249–264
- Van Dijk, N.M.**, Product forms for random access schemes (4) 303–317
- Vasilakos, A.V.**, **C.A. Moschonas** and **C.T. Paximadis**, Variable window flow control and ergodic discretized learning algorithms for adaptive routing in data networks (4) 235–248

- Vaziri, A.**, Scientific visualization in high-speed network environments (2) 111-129
Vissers, C.A., *see Brinksma, E.* (1) 1- 6
- Wang, X., J. Kaniyil, Y. Onozato and S. Noguchi**, Heterogeneous ALOHA networks: a sufficient condition for all equilibrium states to be stable (3) 213-224
Wong, J.-W., *see Chang, C.-J.* (3) 225-232

Subject Index to Volume 22

Abstract syntax	61	Fault-tolerance	51
Ada	51	File transfer	347
Adaptive routing	235	First-packet-first-priority service strategy	225
ALOHA/BTMA/CSMA	303	Flow control	235
Analytical solution	277	Formal description techniques	61
Applications	83	Formal protocol specification	51
ATM	155		
Attribute grammars	61	Graphical support for software development	61
Authentication	323	Group communication	165
Automata	35		
B-ISDN	155	HDLC	35
Broadcasting	303	Heterogeneous network	213
Characterizing sequences	7	High-speed networks	83, 131
Chinese postman problem	7		
Communication	35	Insensitivity	303
Compiling techniques	35	Integrity	323
Complete timing information reassembly scheme	225	Interactivity	103
Complex analysis	277	Inter-domain routing	179
Computational fluid dynamics	111	Internet	347
Computer graphics	111	Internetworking	179
Computer networks	87, 143, 193	Invariance condition	303
Concurrent languages	61	ISO conformance testing standard	7
Confidentiality	323		
Control of internetwork traffic	363	Key management	323
Coordinate convex interference	303		
Cost of secure protocols	363	Language-based environments	61
Cryptography	323	Local area network	265
 		Mandatory access controls	323
Data-handling requirements	131	MAC bridge	265
Data integrity	363	M-ary duobinary	287
Data networks	235	M-ary PAM	287
DES	323	Maximum-delay-first-serve service strategy	225
Design of secure protocols	363	M-matrix	213
Discrete-time queueing systems	277	Modularity	35
Discretionary access controls	323	Multicast	155, 165
Discretized learning algorithms	235	Multimedia	165
Distinguishing sequences	7	Multimedia services	249
Distributed computation	143	Multiple queues	193
Distributed memory	143		
Distributed system security	323	NASA	131
Distributed visualization	111	Network access control	323
Documentation	87	Networking	103, 143
Duobinary signalling	287	Network management	179
 		Network requirements	83
“Early” and “Non-Early” token release	287	Network resource management	363
Earth science	103	Networks	83
Electronic mail	347	Network security	179, 323
Enforcement of network policies	363	Network security threats	363
Equilibrium states	213	Null timing information reassembly scheme	225
Esterel	35	Numerical flow visualization	111
		Open systems interconnection	61
		Optical disk storage	87

OSI	265	Space networking	131
OSI abstract test methods	7	Space Station Freedom	131
OSI protocols	7	Spanning tree	265
		Specification	35
		Specification languages	61
		Structural stability	213
Packet/circuit switching	303	Supercomputer networks	111
Packet switched network	249	Synchrony	35
Packet voice communication network	225		
Partial response signalling	287		
Performance evaluation	193	TCP/IP	347
Performance management	249	Testing	51
Polling models	193	Token passing networks	193
Polling networks	193	Token ring	287
Product form	303	Traffic	83
Program development	35	Traffic characteristics	143
Protocol	35	Transient analysis	277
Protocol architecture	165	Transition tours	7
Protocol conformance testing	7	Twisted pair	287
Protocol implementation	51		
Protocol model	165	Unicast	165
		Unique input/output sequences (UIOs)	7
Random access schemes	303	Video-on-demand	155
Reactive systems	35	Virus	347
RSA	323	Visualization	103
Rural Chinese postman problem	7	Visualization environments	111
		Visual languages	61
Scientific visualization	111	Volume rendering	111
Single sign-on	323		
Slotted ALOHA	213	Worm	347
Source routing	265		
Space communications	131		